



Condition Assessment Survey (CAS) & Condition Assessment Information System (CAIS) Training

Overview
Paul Reynolds & Ken Rowe



CAS/CAIS Instructors

- Paul Reynolds Lawrence Livermore National Laboratory (LLNL)
 - Intuitional Facilities Management, Senior Manager
 - LLNL RPAM Subject Matter Expert (SME)
 - Worked with CAS/CAIS since 1992 (Design, Development, and Testing)
 - Developed and managed the LLNL CAS Program (Nationally Recognized)
- Ken Rowe Energy Enterprise Solutions (EES)
 - Worked with CAIS since 1999
 - Areas of Responsibility
 - CAIS Development, Training, and Ad Hoc Reporting
 - CAIS/CostWorks Customer Support
 - Maintain Public Web Server, Application Server and Public Web Page
 - Previous Customers:
 - Johns Hopkins University Applied Physics Laboratory
 - MD Sallie Mae Federal Communications Commission



CAS/CAIS Training Goals

- Individuals become educated in the use of the CAS/CAIS Program/Processes
- Provide training that identifies consistent methodologies and standard approaches to inspect and/or evaluate DOE real property assets, systems and components
- Provide hands-on computer training in the use of DOE's CAIS software and how to record inspection units/deficiencies
- Understanding of the CAIS cost estimating process including how and when to apply cost adders
- Become familiar with the tools, systems and information available to perform and manage condition assessments



CAS/CAIS Training Sessions

- Session I - Condition Assessment Program
- Session II - CAS Inspection Process
- Session III - CAIS Software
- Session IV - CAIS Deficiency Costing



Session I - Condition Assessment Program

Order	Topic
1	What is a CAS Program/Process
2	Roles and Responsibilities
3	Understanding Real Property Assets
4	CAS Inspection Frequencies
5	Inspection Methodologies
6	Quantifying CAS Inspection Units
7	Developing Good Deficiency Cost Estimates
8	How to Report what is Found
9	Condition Assessment Resources



Session II - CAS Inspection Process

Order	Topic
1	Inspection Schedules
2	Discipline Based Inspections
3	Inspector Responsibilities
4	Inspection Documentation
5	Examples of Inspections and Deficiencies



Session III - CAIS Software

Order	Topic
1	CAIS System Hierarchy & Security
2	CAIS Features, Table Maintenance
3	Necessary Data Population
4	Creating Deficiencies/Units
5	Adding Special Cost Adders
6	Standard and Ad-Hoc Reporting



Session IV - CAIS Costing

Order	Topic
1	CAIS Cost Hierarchy and Breakdown
2	Costing Module Operation
3	Deficiency Cost Types
4	Splitting an Inspection Unit/Deficiency
5	Additional Cost Adders



QUESTIONS